

# MURFREESBORO CROSS CONNECTION CONTROL

## INSTALLATION SPECIFICATIONS

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### ***Double Check Detector Assembly***

1. All required devices must be installed pursuant to Murfreesboro City Code, Chapter 33, Sections 33-18 through 33-22.
2. All devices shall be installed in accordance with the manufacturer's installation instructions, and shall possess all test cocks and fittings required for testing the device. All fittings permit direct connection to department test device.
3. The entire device including test cocks shall be easily accessible for testing and repair.
4. The device shall be located no more than sixty inches (60") above the floor surface and shall be located a minimum of twenty four inches (24") from all wall surfaces/obstructions.
5. Device shall be protected from freezing, vandalism, mechanical abuse, and from any corrosive, sticky, greasy, abrasive, or other damaging environment.
6. Device shall be installed prior to any branching and/or fire connections (siamese).
7. The by-pass meter shall be supplied and installed by the Department. The bypass line on the assembly shall include a double check valve and shall be fitted to accept a 5/8" x 3/4" Sensus (Rockwell) water meter with male couplings on both ends and a laying length of 7¾". If the assembly is purchased with a water meter, the meter shall be as described above and calibrated to register in cubic feet.
8. If the device is to be located within a facility building, a post indicator valve shall be placed on the main supply at the premises property line. Devices may be located on fire risers only if recommended by the device manufacturer.
9. Backflow prevention assemblies shall not be installed in confined space areas (pits) as defined by OSHA regulations (29 CFR 1910.146). Existing below-ground devices must be upgraded to current requirements during any facility expansion or renovation that requires a plumbing permit.
10. Specifications and detail drawings shall be submitted to and approved by the Department prior to the installation of any device.
11. The Murfreesboro Water and Sewer Department has adopted the American Water Works Association classification scheme (Manual M-14) for backflow protection on fire prevention systems. This scheme classifies fire systems into six classes based on water source and arrangement of supplies. The type of backflow protection necessary for the premises is determined by the classification of the fire system. Minimum acceptable backflow protection on fire systems in the City of Murfreesboro is a double check detector assembly. Only licensed sprinkler contractors may install or repair backflow prevention devices on fire protection systems. Any facility obtaining a building permit for any purpose is required to immediately upgrade the fire system regardless of hazard.